

Title (en)

BATTERY MODULE COMPRISING EXTERNAL MEMBERS COUPLED BY MEANS OF CLAMPING-TYPE COUPLING MEMBERS

Title (de)

BATTERIEMODUL MIT ÜBER KLEMMKUPPLUNGSELEMENTE GEKOPPELTEN AUSSENELEMENTEN

Title (fr)

MODULE DE BATTERIE COMPRENANT DES ÉLÉMENTS EXTERNES COUPLÉS PAR DES ÉLÉMENTS DE COUPLAGE DU TYPE À SERRAGE

Publication

EP 3340339 A4 20190206 (EN)

Application

EP 17813477 A 20170420

Priority

- KR 20160074672 A 20160615
- KR 2017004227 W 20170420

Abstract (en)

[origin: EP3340339A2] The present disclosure provides a battery module including: a battery cell assembly in which a plurality of battery cells are arranged while being electrically connected; and first and second outer cover members each having a plate-type structure surrounding an outer surface of the battery cell assembly and coupled to each other by a fastening member in a state in which corners corresponding to each other are in contact with each other. Here, each of the first and second outer cover members includes at least one fastening groove having a slit shape, and the fastening grooves of the first and second outer cover members are perforated at positions corresponding to each other of corners contacting each other, and the first and second outer cover members are coupled to each other in such a manner that both side ends, which face each other, of the fastening member are respectively inserted into the fastening grooves in a clamping manner.

IPC 8 full level

H01M 50/211 (2021.01); **H01M 50/262** (2021.01); **H01M 50/553** (2021.01); **H01M 10/42** (2006.01); **H01M 10/48** (2006.01)

CPC (source: EP KR US)

H01M 10/425 (2013.01 - KR); **H01M 10/48** (2013.01 - KR); **H01M 10/482** (2013.01 - KR); **H01M 50/20** (2021.01 - KR); **H01M 50/209** (2021.01 - KR); **H01M 50/211** (2021.01 - EP KR US); **H01M 50/262** (2021.01 - EP KR US); **H01M 50/553** (2021.01 - EP KR US); **H01M 10/425** (2013.01 - EP US); **H01M 10/48** (2013.01 - EP US); **H01M 2220/10** (2013.01 - KR); **H01M 2220/20** (2013.01 - KR); **Y02E 60/10** (2013.01 - EP KR)

Citation (search report)

- [IA] US 2016111691 A1 20160421 - GARASCIA MICHAEL P [US], et al
- [IA] EP 2581963 A1 20130417 - NISSAN MOTOR [JP]
- See references of WO 2017217652A2

Cited by

EP3913702A4; EP3528307B1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3340339 A2 20180627; **EP 3340339 A4 20190206**; **EP 3340339 B1 20200226**; CN 108475742 A 20180831; CN 108475742 B 20210226; JP 2018533815 A 20181115; JP 6675479 B2 20200401; KR 102092113 B1 20200527; KR 20170141517 A 20171226; PL 3340339 T3 20200629; US 10541393 B2 20200121; US 2018277803 A1 20180927; WO 2017217652 A2 20171221; WO 2017217652 A3 20180802

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